

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :
Toshio MIYATA et al. : **Mail Stop: PCT**
Serial No. 10/580,465 : Attorney Docket No. 2006_0780A
Filed May 25, 2006 :
MODIFIED-PROTEIN FORMATION
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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- each U.S. Patent and U.S. Patent application publication;
- each reference previously cited in the international application PCT/_____; and/or
- each reference previously cited in prior parent application Serial No. _____.

1a. This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

and thus no certification and/or fee is required.

1b. This Information Disclosure Statement is submitted
after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:
(1) the certification of paragraph 2 below is provided, **or**
(2) the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. This Information Disclosure Statement is submitted:
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the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

2. It is hereby certified

- a. that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
- b. that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.
4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
 - a. a full or partial English language translation submitted herewith,
 - b. a foreign patent office search report (in the English language) submitted herewith,
 - c. the concise explanation contained in the specification of the present application at pages 1 and 14,
 - d. the concise explanation set forth in the attached English language abstract,
 - e. the concise explanation set forth below or on a separate sheet attached to the reference:
5. A foreign patent office search report citing one or more of the references is enclosed.
6. Statement Under 37 CFR 1.704(d)

Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign Patent Office in a counterpart application, and this communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

Toshio MIYATA et al.

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July 19, 2006

FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary) Date Submitted to PTO: July 19, 2006			ATTY DOCKET NO. 2006_0780A		SERIAL NO. 10/580,465		
			APPLICANT Toshio MIYATA et al.				
			FILING DATE May 25, 2006		GROUP		
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AB	00/10606	03/2000	WO			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AC	Maillard, L. C. et al., "Compt. Rend. Soc. Biol.", 1912, Vol. 72, p599					
	AD	Miyata, T. et al., "Kidney Int.", 1999, Vol.55, p389-399					
	AE	Esterbauer, H. et al., "Free Radic. Biol Med.", 1991, Vol.11, p81-128					
	AF	Anderson, M. M. et al., "J Clin. Invest.", 1997, Vol.99(3), p424-432					
	AG	Sell, D. R. et al., "J. Biol. Chem." 1989, Vol.264(36), p21597-21602					
	AH	Nakamura, K. et al., "J. Chem. Soc. Chem. Commun.", 1992, Vol.15, p992-994					
	AI	Hayase, F. et al., "Biosci. Biotech. Biochem.", 1994, Vol.58(10), p1936-1937					
	AJ	Njoroge, F. G. et al., "Carbohydr. Res.", 1987, Vol.167, p211-220					
	AK	Ahmed, M. U. et al., "J. Biol. Chem.", 1986, Vol.261(11), p4889-4894					
	AL	Hayase, F. et al., "Biosci. Biotech. Biochem.", 1995, Vol.59(8), p1407-1411					
EXAMINER				DATE CONSIDERED			

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	BA						
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	BB	Ahmed, M. U. et al., "Biochem. J.", 1997, Vol.324, p565-570					
	BC	Brinkmann, E. et al., "J. Chem. Soc. Perkin. Trans. 1", 1995, p2817-2818					
	BD	Wells-Knecht, K. J. et al., "J. Org. Chem.", 1995, Vol.60, p6246-6247					
	BE	Nagaraj, R. H. et al., "J. Biol. Chem.", 1996, Vol.271(32), p19338-19345					
	BF	Shipanova, I. N. et al., "Arch. Biochem. Biophys.", 1997, Vol.344(1), p29-36					
	BG	Neeper, M. et al., "J. Biol. Chem.", 1992, Vol.267(21), p14998-15004					
	BH	Suzuki, H. et al., "Nature", 1997, Vol.386, p292-296					
	BI	Vlassara, H. et al., "Molecular Medicine", 1995, Vol.1(6), p634-646					
	BJ	Lander, H. M. et al., "J. Biol. Chem.", 1997, Vol.272(28), p17810-17814					
	BK	Chappey, O. et al., "Eur. J. Clin. Invest.", 1997, Vol.27, p97-108					
	BL	Yamagishi, S. et al., "Biochem. Biophys. Res. Commun.", 1995, Vol.213(2), p681-687					
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	CB	Yamagishi, S. et al., "FEBS Lett.", 1996, Vol.384, p103-106
	CC	Doi, T. et al., "Proc. Natl. Acad. Sci. USA", 1992, Vol.89, p2873-2877
	CD	Horie, K. et al., "J. Clin. Invest.", 1997, Vol.100(12), p2995-3004
	CE	Sugimoto, K. et al., "Diabetologia", 1997, Vol.40, p1380-1387
	CF	Park, L. et al., "Nat. Med.", 1998, Vol.4(9), p1025-1031
	CG	Miyata, T. et al., "J. Clin. Invest.", 1993, Vol.92, p1243-1252
	CH	Smith, M. A. et al., "Proc. Natl. Acad. Sci. USA", 1994, Vol.91, p5710-5714
	CI	Miyata, T. et al., "Biochem. Biophys. Res. Commun.", 1998, Vol.244, p45-49
	CJ	Makita, Z. et al., "N. Engl. J. Med.", 1991, Vol.325(12), p836-842
	CK	Bucala, R. et al., "J. Clin. Invest.", 1991, Vol.87, p432-438
	CL	Vlassara, H. et al., "Proc. Natl. Acad. Sci. USA", 1994, Vol.91, p11704-11708
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	DB	Miyata, T. et al., "J. of Am. Soc. Nephrol.", 1996, Vol.7(8), p1198-1206					
	DC	Sugiyama, S. et al., "J. of Am. Soc. Nephrol.", 1998, Vol.9, p1681-1688					
	DD	Witko-Sarsat, V. et al., "Kidney Int.", 1996, Vol.49, p1304-1313					
	DE	Canestrari, F. et al., "Acta Haematol.", 1994, Vol.91, p187-193					
	DF	Ueda, Y. et al., "Biochem., Biophys. Res. Commun.", 1998, Vol.245, 785-790					
	DG	Richard, M. J. et al., "Nephron", 1991, Vol.57, p10-15					
	DH	Jadoul, M. et al., "Kidney Int.", 1999, Vol.55, p2487-2492					
	DI	Miyata, T. et al., "Kidney Int.", 1997, Vol.51, p1170-1181					
	DJ	Ulbricht, R. J. et al., "Fund Appl. Toxic.", 1984, Vol.4, p843-853					
	DK	Miyata, T. et al., "Kidney Int.", 2000, Vol.58, p425-435					
	DL	Yamada, K. et al., "Clin. Nephrol.", 1994, Vol.42(6), p354-361					
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	EA						
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	EB	Miyata, T. et al., "Nephrol. Dial. Transplant.", 1997, Vol.12, p255-258					
	EC	Edelstein, D. et al., "Diabetologia, 1992, Vol.35, p96-97					
	ED	Hammes, H.P. et al., "Proc. Natl. Acad. Sci. USA", 1991, Vol.88, p11555-11558					
	EE	Matsumoto, K. et al., "Biochem. Biophys. Res. Commun.", 1997 Vol.241(2), p352-354					
	EF	Nakamura, S. et al., "Diabetes", 1997, Vol. 46, p895-899					
	EG	Beisswenger, P. J. et al., "Diabetes, 1999, Vol. 48, p198-202					
	EH	Thornalley, P. J. et al., "Endocrinol. Metab.", 1996, Vol.3, p149-166					
	EI						
	EJ						
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